

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

US Department of Interior
NAME Bureau of Reclamation
ADDRESS 826 East Front Street, Suite A
Port Angeles WA 98362-3613

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)

WA-002666-2

PERMIT NUMBER

(17-19)

001

DISCHARGE NUMBER

Sedimentation Plant (non-wastewater)

Influent and effluent flows and other parameters are averaged for days that discharges occurred

FACILITY Elwha Water Treatment Plant
LOCATION Elwha River/ Lat: 48°10' 10" N/Long: 123°33' 7" W.

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	2011	11	01		2011	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)



PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				U.S. EPA REGION 10 OFFICE OF COMPLIANCE AND ENFORCEMENT	NO. OF ANALYSIS (62-63)	FREQUENCY (64-68)	SAMPLE TYPE (69-70)
		(46-53)	(54-61)	UNITS	(38-45)	(46-53)	(54-61)	UNITS				
		AVERAGE MONTHLY	MAXIMUM DAILY		MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY					
Flow Influent [0056 7 0 0]	SAMPLE MEASUREMENT	48.9	58.4	CFS	*****	*****	*****		0	continuous	recording	
	PERMIT REQUIREMENT	Report	Report							Continuous	Recording	
Flow Effluent [0056 1 0 0]	SAMPLE MEASUREMENT	1.3	2.3	CFS	*****	*****	*****		0	continuous	recording	
	PERMIT REQUIREMENT	Report	Report							Continuous	Recording	
Turbidity Influent [00070 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	126	524	NTU	0	continuous	recording	
	PERMIT REQUIREMENT					Report	Report			Continuous	Recording	
pH Influent [00400 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	7.7	8.0	s.u.	0	daily	grab	
	PERMIT REQUIREMENT					6.5 – 8.5	8.5			5/ week	Grab	
pH Effluent [00400 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	7.6	8.4	s.u.	0	daily	grab	
	PERMIT REQUIREMENT					6.5 – 8.5	8.5			5/ week	Grab	
Temperature Influent [00010 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	5.5	9.1	°C	0	daily	grab	
	PERMIT REQUIREMENT					Report	Report			5/Week	Grab	
Temperature Effluent [00010 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	5.5	7.0		0	daily	grab	
	PERMIT REQUIREMENT					Report	Report			5/Week	Grab	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael S Greene, PE Project/Plant Manager, Veolia Water N. America Operating Services	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.		TELEPHONE		DATE		
			360	417-1180	2011	12	09
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

The Elwha River WTP (Sedimentation) is currently in a "mothball" or stand-by operating mode. It is operated on an intermittent basis for commissioning and equipment exercise.

Computer Reproduction EPA Form 3320-1

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POB
12/22/11

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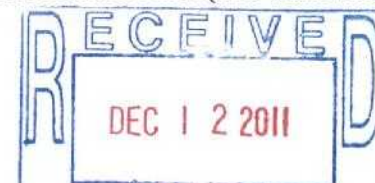
FACILITY Elwha Water Treatment Plant
LOCATION Elwha River/ Lat: 48° 10' 10" N/Long: 123° 33' 7" W.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) WA-002666-2	(17-19) 001
PERMIT NUMBER	DISCHARGE NUMBER

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Sedimentation Plant (non-wastewater)



PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				U.S. EPA REGION 10 OFFICE OF COMPLIANCE AND ENFORCEMENT		SAMPLE FREQUENCY TYPE
		(46-53)	(54-61)	UNITS	(38-45)	(46-53)	(54-61)	UNITS	EX	OF	
		AVERAGE MONTHLY	MAXIMUM DAILY		MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY		(62-63)	ANALYSIS	
Fecal Coliform Influent [31625 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	1	1	#/100 ml	0	10/Mo	grab
	PERMIT REQUIREMENT					Report	Report			10/Month	Grab
Fecal Coliform Effluent [31625 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	9	17	#/100 ml	0	10/Mo	grab
	PERMIT REQUIREMENT					Report	Report			10/Month	Grab
Total Suspended Solids Influent Daily Average Influent Turbidity > 50 NTU	SAMPLE MEASUREMENT	32,741	103,610	Lb/Day	*****	127	409	mg/L	0		
	PERMIT REQUIREMENT	Report	See I.B.3 & I.B.4			Report	Report			Daily	24-Hr composite
Total Suspended Solids Effluent Daily Average Influent Turbidity > 50 NTU	SAMPLE MEASUREMENT	14,323	50,311	Lb/Day	*****	1,723	4,826	mg/L	0		
	PERMIT REQUIREMENT	Report	223,995			Report	Report			Daily	24-Hr composite
Total Suspended Solids Influent [00530 7 0 0] Daily Average Influent Turbidity < 50 NTU	SAMPLE MEASUREMENT	21.0	22.8	#/CFS River	*****	47.0	50.9	mg/L	0	Day of discharge	comp
	PERMIT REQUIREMENT	Report	22			Report	Report			Daily	24-Hr composite
Total Suspended Solids Effluent [00530 P 0 0] Daily Average Influent Turbidity ≤ 50 NTU	SAMPLE MEASUREMENT	7.9	8.3	#/CFS River	*****	861	910	mg/L	0	Day of discharge	comp
	PERMIT REQUIREMENT	Report	22			Report	Report			Daily	24-Hr composite
Settleable Solids Influent [00545 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	≤ 1.0	≤ 1.0	ml/L	0	3/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24-Hr composite

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Sedimentation Plant (non-wastewater)



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		(46-53)	(54-61)	UNITS	(38-45)	(46-53)	(54-61)	UNITS	EX (62-63)	OF ANALYSIS (64-68)	
		AVERAGE MONTHLY	MAXIMUM DAILY		MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY				
Settleable Solids Effluent [00545 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	21	40	ml/L	0	1/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24-Hr composite
BOD ₅ Effluent [00310 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	8.4	8.4	mg/L	0	1/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24-Hr composite
Alkalinity Effluent [0410 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	43	50	mg/L as CaCO ₃	0	1/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24 hr com,p
Total Dissolved Solids Influent [70295 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	62	73	mg/L	0	2/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24-Hr composite
Total Dissolved Solids Effluent [70295 1 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	71	100	mg/L	0	2/month	comp
	PERMIT REQUIREMENT					Report	Report			1/month	24-Hr composite
Total Aluminum Influent [01105 7 0 0]	SAMPLE MEASUREMENT	329.8	329.8	lb/Day	*****	1.3	1.3	mg/L	0	1/month	comp
	PERMIT REQUIREMENT	Report	Report			Report	Report			1/month	24-Hr composite
Total Aluminum Effluent [01105 1 0 0]	SAMPLE MEASUREMENT	8.9	8.9	lb/Day	*****	1.9	1.9	mg/L	0	1/month	comp
	PERMIT REQUIREMENT	Report	Report			Report	Report			1/month	24-Hr composite

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		(46-53)	(54-61)	UNITS	(38-45)	(46-53)	(54-61)	UNITS						
		AVERAGE MONTHLY	MAXIMUM DAILY		MINIMUM	AVERAGE MONTHLY	MAXIMUM DAILY							
Dissolved Oxygen Influent [00300 7 0 0]	SAMPLE MEASUREMENT	*****	*****		*****	13.6	15.5		0	DAILY	grab			
	PERMIT REQUIREMENT					Report	Report	mg/L		1/Month	Grab			
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT													
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Michael S Greene, PE Project/Plant Manager, Veolia Water N. America Operating Services														
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								360	417-1180	2011	12	09		

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INFLUENT TURBIDITY ABOVE 50 NTU

Day	Influent Turbidity	Flow, Daily, Influent	flow/daily, at outfall	flow/daily, at outfall	River Flow	TSS Influent	TSS Influent Mass	TSS Effluent (001)	TSS Effluent Mass	Mass Limit
	NTU	MGD	MGD	CFS	CFS	mg/L	Lbs/Day	mg/L	Lbs/Day	lbs/day
11/1/2011	56.00	31.59	0.63	0.97	812	62	16,335	1133	5,953	27,542
11/2/2011	60.20	33.16	1.43	2.21	739	58	16,041	945	11,270	23,903
11/3/2011	58.00	30.57	0.66	1.02	746	66.4	16,927	1093	6,016	27,149
11/4/2011	56.20	31.23	0.68	1.05	696	52.8	13,751	987	5,597	20,172
11/10/2011	50.70	30.76	0.64	0.99	601	48.2	12,364	862	4,601	15,924
11/11/2011	50.20	31.07	0.67	1.04	582	58.9	15,261	991	5,538	18,871
11/12/2011	68.00	33.16	0.72	1.11	882	73.3	20,273	1422	8,539	35,393
11/13/2011	73.10	28.85	0.62	0.96	768	59.6	14,342	1207	6,241	25,055
11/14/2011	70.80	33.27	0.62	0.96	710	52.4	14,538	1124	5,812	20,387
11/15/2011	54.60	30.42	0.56	0.87	655	55.6	14,107	1139	5,320	19,950
11/16/2011	60.30	32.47	0.66	1.02	614	54	14,625	1132	6,231	18,230
11/17/2011	60.10	30.30	0.64	0.99	797	88.9	22,467	1696	9,053	38,780
11/18/2011	98.00	33.46	0.63	0.97	1020	66.4	18,528	1093	5,743	36,955
11/19/2011	96.40	37.72	0.69	1.07	812	97.3	30,606	1968	11,325	43,277
11/20/2011	108.00	31.94	0.58	0.90	710	73.3	19,523	1466	7,091	28,491
11/21/2011	76.50	30.20	0.58	0.90	696	61.7	15,541	1040	5,031	23,516
11/22/2011	64.90	15.44	0.6	0.93	1650	220	28,327	3324	16,633	197,225
11/23/2011	524.00	30.41	1.25	1.93	9600	408.5	103,610	4826	50,311	2,122,326
11/24/2011	313.00	31.94	1.39	2.15	3580	264.1	70,344	2905	33,677	513,909
11/25/2011	351.00	34.33	1.51	2.34	2590	223.7	64,048	2466	31,055	315,951
11/26/2011	247.00	33.33	1.47	2.27	1860	232.1	64,517	1717	21,050	236,236
11/27/2011	261.00	29.82	1.32	2.04	5040	293	72,857	3024	33,291	800,960
11/28/2011	281.00	30.45	1.31	2.03	4780	208.6	52,966	2312	25,260	540,933
11/29/2011	206.00	33.90	1.39	2.15	3050	167.2	47,276	1690	19,591	277,500
11/30/2011	195.00	34.87	1.41	2.18	2320	135.3	39,343	1518	17,851	171,245
DAILY MAX	524.0	37.72	1.51	2.34	9,600	408.5	103,610	4,826	50,311	2,122,326
AVERAGE	141.6	31.39	0.91	1.40	1,852	127.3	32,741	1,723	14,323	223,995

Note:



December 9, 2011

US EPA Region 10
Director, Office of Compliance & Enforcement
1200 Sixth Avenue, OCE-133
Seattle, Washington 98101

**RE: NPDES # WA-002666-2, MONTHLY REPORT, NOVEMBER 2011,
ELWHA WATER TREATMENT PLANT**

Attn: PCS Data Entry Team

Enclosed is the monthly Discharge Monitoring Report (DMR) for the Elwha Water Treatment Plant (Port Angeles, WA) for the month of November 2011. The report is being submitted by Veolia Water North America (VWNA) Operating Services on behalf of the US Department of Interior, Bureau of Reclamation. A copy has been submitted to the Washington DOE.

Please contact me if there are any questions or comments regarding the enclosed forms.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Michael S. Greene'.

Michael S Greene
District Manager

CC: Richard Bauman, BOR
Tracy Gilchrist, NPS
Jeff Bohman, NPS

Enclosures:

1. DMR, November, 2011; EPA Form 3320-1 (4 pages)
2. Table of values & mass limits for turbidity over 50 NTU